1 Dockerfile

```dockerfile
# Use Nginx as the base image
FROM nginx:latest

# Copy the HTML file into the container
COPY index.html /usr/share/nginx/html/index.html

# Expose port 80
EXPOSE 80

# Start Nginx
CMD ["nginx", "-g", "daemon off;"]
```

---

2 HTML File (index.html)

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta name="viewport" content="width=device-width,
initial-scale=1.0">
    <title>Docker HTML</title>
</head>
<body>
    <h1>Hello, Docker! 🚀</h1>
    <p>This is a simple HTML page served using Docker.</p>
</body>
</html>
```

---

3 Build & Run Instructions

Step 1: Build the Docker Image

Run the following command in the terminal (inside the directory where the `Dockerfile` and `index.html` are located):

bash
Copy code
```bash
docker build -t my-nginx .
```

Here, `my-nginx` is the name of your Docker image.

Step 2: Run the Docker Container

bash
```bash
docker run -d -p 8080:80 --name nginx-container my-nginx
```

- `-d` runs the container in detached mode.
- `-p 8080:80` maps port 8080 on your system to port 80 in the container.
- `--name nginx-container` assigns a name to the container.

Step 3: Access the Web Page

Open a browser and go to:

```
http://localhost:8080
```

You should see the **"Hello, Docker! 🚀"** message.

Step 4: Stop and Remove the Container

To stop the running container:

```bash
docker stop nginx-container
```

To remove the container:
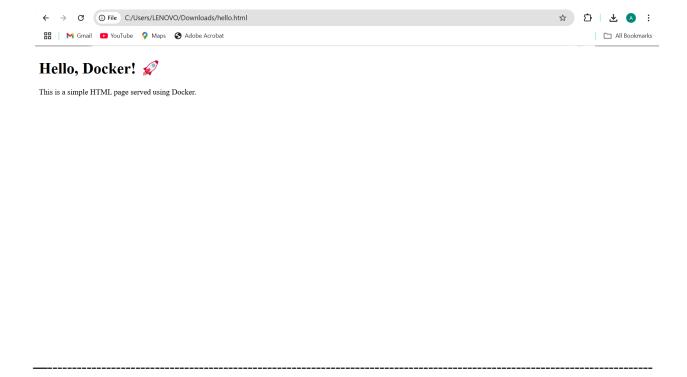
```bash
docker rm nginx-container
```

To remove the image:

```bash
docker rmi my-nginx
```

🎯 Summary

- You created an **Nginx-based Docker container** to serve a simple HTML page.
- You **built** and **ran** the container successfully.
- The web page is now accessible via `http://localhost:8080`.

Hello, Docker! 🚀

This is a simple HTML page served using Docker.

Welcome to nginx!

If you see this page, the nginx web server is successfully installed and working. Further configuration is required.

For online documentation and support please refer to nginx.org.
Commercial support is available at nginx.com.

Thank you for using nginx.